

MR1957-533

Serial Number: 09/838,223

Responsive to Office Action dated 05 May 2004

AMENDMENTS TO THE CLAIMS

This Listing of Claims will replace all prior versions, and listings, of claims in the Application:

Listing of Claims:

Claim 1 (Currently amended): An auxiliary device for editing documents, comprising:

a computer keyboard having an internal circuit with a single-chip microprocessor; and

a direct access modular key set with a document editing function; the direct access modular key set being arranged on the computer keyboard and connected to an I/O bus of the single-chip microprocessor; the single-chip microprocessor generating a predetermined pseudo composite-key code responsive to an individual key in the direct access modular key set being pressed by a user; whereby the user can directly edit a document on a Windows® operating system/application by using the direct access modular key set provided on the computer keyboard without chording or memorizing the combination keys, said modular key set including a cut key, a paste key, a copy key and a mark key, said mark key functioning to identify a segment of a document to be copied or cut, wherein pressing the direct access modular key with a single touch of the direct access modular key can launch target functions directly with no additional processing and pseudo-composite code can be sent through

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standard computer peripheral input device ports, such as keyboard ports, mouse ports, USB ports or PS2 connectors.

Claim 2 (Currently amended): The auxiliary device for editing documents as in claim 1, wherein the direct access modular key set includes a short-cut key is further provided on the computer keyboard to invoke an associated program and operates on the Windows® operating system.

3. (Currently amended) The auxiliary device for editing documents as in claim 1, wherein the computer keyboard is provided with a plurality of function keys and an extra adding switch key, said extra adding switch key being connected to the I/O bus of the single-chip microprocessor and controlling functions of the function keys to operate in one of a standard function key mode or an augmentation mode, a status of the extra adding switch key being manifested by a light-emitting element, said augmentation mode defining editing functions including redo, undo, open, new, bold, save, find, forward and send, said augmentation mode launching the direct access modular key set function and operating on the Windows® operating system.

Claim 4 (Cancelled)

Claim 5 (Cancelled)

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Claim 6 (Cancelled)

Claim 7 (Cancelled)

Claim 8 (Cancelled)

Claim 9 (Cancelled)

Claim 10 (Currently amended) The auxiliary device for editing documents as in claim 1, wherein the predetermined pseudo composite-key code of the direct access modular key set corresponding to the cut key is CTRL+X.

Claim 11 (Currently amended): The auxiliary device for editing documents as in claim 1, wherein the predetermined pseudo composite-key code of the direct access modular key set corresponding to the paste key is CTRL+V, or ALT+E, P.

Claim 12 (Currently amended): The auxiliary device for editing documents as in claim 1, wherein the predetermined pseudo composite-key code of the direct access modular key set corresponding to the copy key is CTRL+C.

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Claim 13 (Currently amended): The auxiliary device for editing documents as in claim 1, wherein the predetermined pseudo composite-key code of the direct access modular key set corresponding to the mark key is one of left Shift or right Shift.

Claim 14 (Currently amended): The auxiliary device for editing documents as in claim 1, wherein the direct access modular key set provides editing functions for launching the Windows[®] operating system/application target function directly, including redo, undo, open, new, bold, save, find, forward and send.

Claim 15 (Currently amended): The auxiliary device for editing documents as in claim 14, wherein the predetermined pseudo composite-key code of the direct access modular key set for redo is ALT+E, R.

Claim 16 (Currently amended): The auxiliary device for editing documents as in claim 14, wherein the predetermined pseudo composite-key code of the direct access modular key set for undo is ALT+E, U.

Claim 17 (Currently amended): The auxiliary device for editing documents as in claim 14, wherein the predetermined pseudo composite-key code of the direct access modular key set for bold is CTRL+B.

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Claim 18 (Currently amended): The auxiliary device for editing documents as in claim 14, wherein the predetermined pseudo composite-key code of the direct access modular key set for open is CTRL+O or ALT+F, O.

Claim 19 (Currently amended) The auxiliary device for editing documents as in claim 14, wherein the predetermined pseudo composite-key code of the direct access modular key set for new is CTRL+N or ALT+F, N.

Claim 20 (Currently amended): The auxiliary device for editing documents as in claim 14, wherein the predetermined pseudo composite-key code of the direct access modular key set for save is CTRL+S or ALT+F, S.

Claim 21 (Currently amended): The auxiliary device for editing documents as in claim 14, wherein the predetermined pseudo composite-key code of the direct access modular key set for find is CTRL+F or ALT+E, F.

Claim 22 (Currently amended): The auxiliary device for editing documents as in claim 14, wherein the predetermined pseudo composite-key code of the direct access modular key set for forward is ALT+F, D.

Claim 23 (Currently amended): The auxiliary device for editing documents as in claim

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14, wherein the predetermined pseudo composite-key code of the direct access modular key set for send file is ALT+S.

Claim 24 (Currently amended): The auxiliary device for editing documents as in claim 2, wherein the predetermined pseudo composite-key code of the direct access modular key set for short-cut key is ACRTL+ALT+ a predetermined non-shift key or a non-moving location key.

Claim 25 (Cancelled)

Claim 26 (new): The auxiliary device for editing documents as in claim 1, wherein a code conversion of the predetermined pseudo composite-key code is accomplished by sending specific codes to code-conversion application software, the code-conversion application software for transfer specific code to pseudo and pass information to Windows® operating system/application.

Claim 27 (new): The auxiliary device for editing documents as in claim 1, wherein the direct access modular key set is composed of a cut key, a paste key, a copy key or a mark key for launch Windows® operating system/application target function directly.

Claim 28 (new): The auxiliary device for editing documents as in claim 1, wherein the predetermined pseudo composite-key code of the direct access modular key set

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comprises a combination of operations including pressing, releasing and pressing again keys including Shift, CTRL, ALT and standard keys. The combination of operations can be combining to one of direct access modular key and launch Windows® operating system/application target function directly.